



America

# CERTIFICATE

No. U8V 16 01 15347 055

**Holder of Certificate:** **TORMAX**  
**Landert Motoren AG**

Unterweg 14  
8180 Bülach  
SWITZERLAND

**Certification Mark:**



**Product:** **Automatic door drives**  
**( Pedestrian Door Operator )**

The product was voluntarily tested according to the relevant safety requirements noted above. It can be marked with the certification mark above. The mark must not be altered in anyway. This product certification system operated by TÜV SÜD America Inc. most closely resembles system 3 as defined in ISO/IEC Guide 67. Certification is based on the TÜV SÜD "Testing and Certification Regulations". TÜV SÜD America Inc. is an OSHA recognized NRTL and a Standards Council of Canada accredited certification body.

**Test report no.:** 095-1208643-100

**Valid until:** 2021-01-18

**Date,** 2016-01-28

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**Model(s):** **TORMAX 1102 Swing Door Drive / TTX 1102**  
**TORMAX 1102 Swing Door Drive**  
**TORMAX 1201 Swing Door Drive**

**Brand Name:** **TORMAX**

**Parameters:**

## Technical data:

Type:	1102	1102	1201	1201
Rated voltage:	115V	230V	115V	230V
Rated frequency:	60Hz	50Hz	60Hz	50Hz
Rated current max.:	2.10A	1.05A	2.30A	1.15A
Nominal consumption max.:	210W	210W	235W	235W
Protection class:	I	I	I	I
Degree of protection:	Type 1 (IP20)	Type 1 (IP20)	Type 1 (IP20)	Type 1 (IP20)
Max. swing door mass:	125kg	125kg	250kg	250kg
Max. moment of inertia:	35kgm <sup>2</sup>	35kgm <sup>2</sup>	65kgm <sup>2</sup>	65kgm <sup>2</sup>
Performance Level:	d	d	d	d
Category:	2	2	2	2

## Classification:

1 kind of drive	1: Swing Door Operator
2 durability	3: 1.000.000 cycles
3 leaf construction	Not applicable
4 fire protection door	Not applicable
5 safety devices	1: Force limitation
	2: External safety devices I
	3: Low-energy, optional
6 special requirements	0: no special conditions
7 safety at the door system (need to be ensured after build in)	Not applicable
8 ambient temperature	4: manufacturers data -20°C-+50°C

For Conditions of Acceptability (CoA) please see attachment.

**Tested according to:**

CAN/CSA-C22.2 No. 247:2014  
 UL 325:2013 (Supplemented by  
 UL 991:2004/R2010-06 and UL 1998:2013)  
 EXCLUDING UL 325 § 30.2, 34-37 and CAN/CSA-C22.2  
 No. 247 Clauses 6.6.3, 6.7. External Entrapment  
 Protection devices SHALL be provide and evaluated  
 upon installation.

**Production Facility(ies):**

90192, 91848

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## ATTACHMENT TO CERTIFICATE NO. U8V 16 01 15347 055 FOR TORMAX Landert Motoren AG

### Pedestrian Door Operator

#### CONDITIONS OF ACCEPTABILITY:

When installing the equipment, all requirements of the standards and the manufacturer's specifications must be met.

- 1) The product is: for building-in with doors and external entrapment protections at final installation site.
- 2) External entrapment is not supplied by the Manufacture and shall be connected, installed, setup with the controller at the installation site for correct operation prior to use.
- 3) The maximum investigated branch circuit rating is: 20 A
- 4) The product was investigated for INDOOR USE ONLY.
- 5) The product was investigated Pollution Degree is: 2
- 6) Upon installation the clearance and creepage distance between the hazardous voltage parts and accessible parts shall meet the standard(s) requirements.
- 7) Evaluated as Class I (earthed equipment). Proper and reliable ground bonding to the main protective earthing terminal is required at final installation.
- 8) This operator is equipped for permanent wiring.
- 9) The operators are to be installed only by trained service personnel, according to manufacturer installation instructions.
- 10) All installation and setup requirements from the Manufacture shall be followed at the final installation location. Failure to follow these instructions could result in severe injury or death to persons.
- 11) All external labeling, warning signs, and placards must be installed where visible in the area of the door per Manufactures instructions.